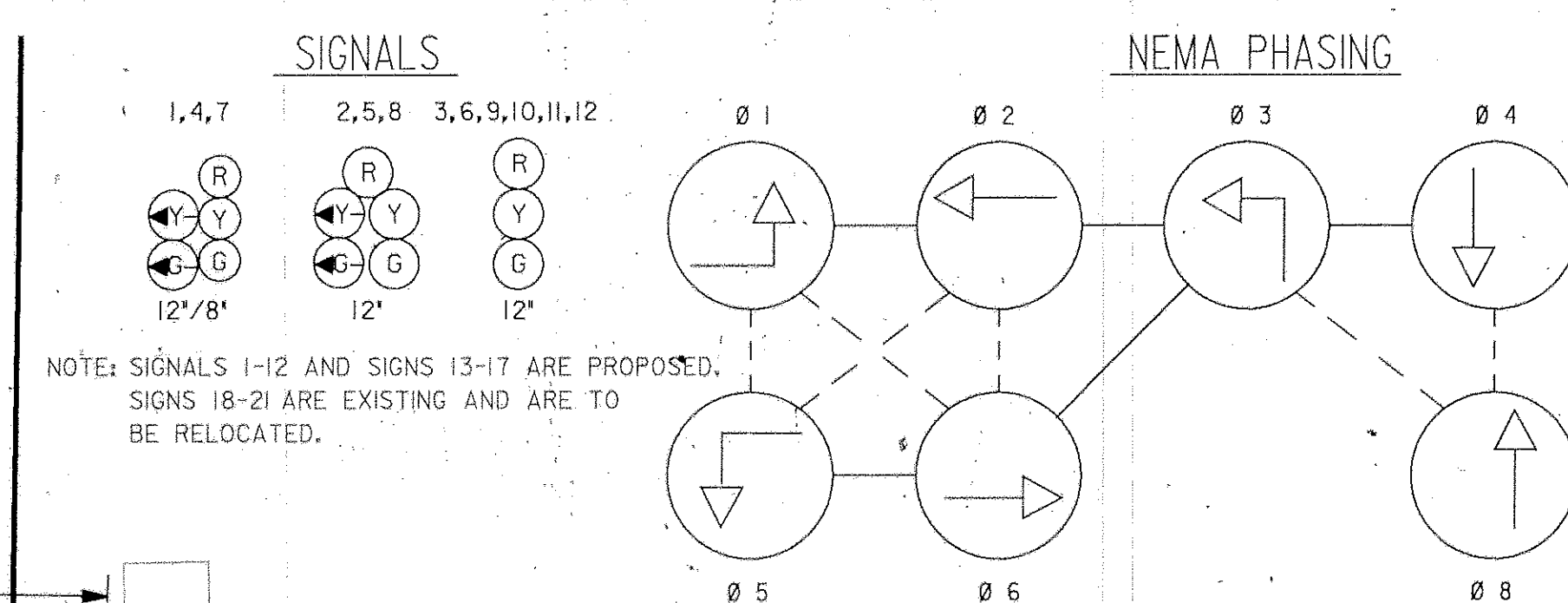
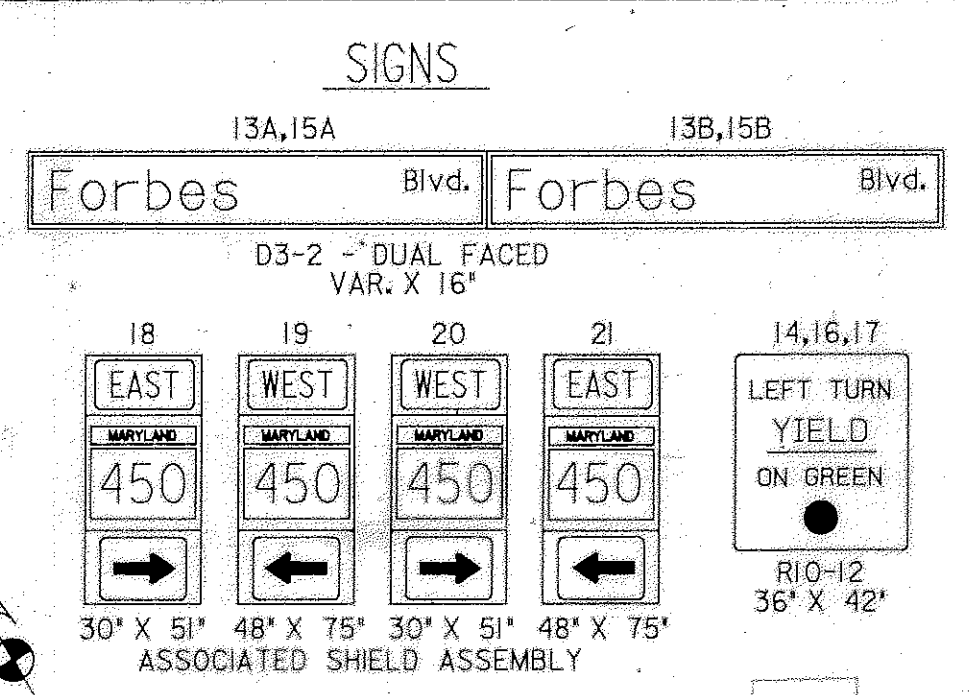


- PHASE I
- CONSTRUCTION DETAILS
- A. USE EXISTING BASE-MOUNTED CABINET/CONTROLLER.
 - B. INSTALL 12 IN. X 32 FT. 2-PLY STEEL STRAIN POLE WITH 20 FT. LIGHTING ARM WITH A 250-WATT HPS LAMP AND LUMINAIRE AS SHOWN. (NOTE: TWO 3 IN. 90-DEGREE (SCH. 40) PVC BENDS AND ONE 3 IN. WEATHERHEAD) [USE FOUR 2-1/4 IN. X 96 IN. ANCHOR BOLTS]
 - C. INSTALL 12 IN. X 32 FT. 2-PLY STEEL STRAIN POLE WITH POLE-MOUNTED SIGNS AND A 20-FT. LIGHTING ARM WITH A 250-WATT HPS LAMP AND LUMINAIRE AS SHOWN. (NOTE: ONE 2 IN. 90-DEGREE (SCH. 40) PVC BEND AND ONE 3 IN. WEATHERHEAD) [USE 4 2-1/4 IN. X 96 IN. ANCHOR BOLTS].
 - D. INSTALL HANDHOLE.
 - E. INSTALL 2 IN. POLYVINYL CHLORIDE (SCH. 40) ELECTRICAL CONDUIT - TRENCHED.
 - G. INSTALL 3 IN. POLYVINYL CHLORIDE (SCH. 40) ELECTRICAL CONDUIT - TRENCHED.
 - H. INSTALL 3/8 IN. STEEL SPAN WIRE, 1/4 IN. STEEL TETHER WIRE, VEHICLE SIGNAL HEADS AND SIGN AS SHOWN. (NOTE: PROVIDE APPROXIMATELY 50 FT. OF ADDITIONAL ELECTRICAL CABLE FOR EACH SIGNAL HEAD FOR USE DURING ROADWAY CONSTRUCTION PHASING/STAGING. TETHER THE 5-SECTION SIGNAL HEADS AND SIGNS)
 - J. USE EXISTING HANDHOLE.
 - K. CAP AND ABANDON OR REMOVE EXISTING CONDUIT.



FLASHING OPERATION

PHASING NOTES

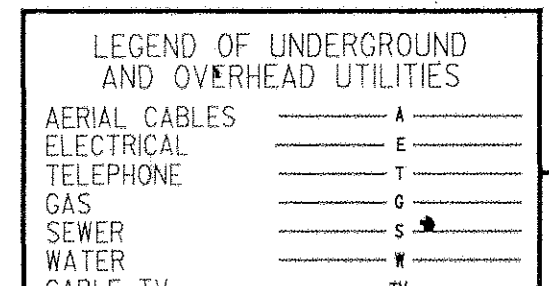
1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD	SEE TITLE SHEET	345	465

- L. REMOVE EXISTING STEEL MAST ARM POLE AND ALL ATTACHED EQUIPMENT. (FOUNDATION TO BE REMOVED TO ONE FOOT BELOW BOTTOM OF THE ROADWAY TYPICAL SECTION)
- M. USE EXISTING CONDUIT.
- N. MAINTAIN EXISTING LOOP.
- O. INSTALL 1 IN. GALVANIZED STEEL CONDUIT FOR LOOP DETECTOR SLEEVE.
- P. INSTALL 6 FT. X 30 FT. QUADRUPOLE-TYPE VEHICLE LOOP DETECTOR (3-6-3 TURNS) ENCASED IN FLEXIBLE TUBING.
- Q. INSTALL 6 FT. X 6 FT. LOOP DETECTOR (4 TURNS) ENCASED IN FLEXIBLE TUBING.
- R. INSTALL 2 IN. POLYVINYL CHLORIDE (SCH. 80) ELECTRICAL CONDUIT - SLOTTED.
- S. INSTALL 1 IN. LIQUID-TIGHT NON-METALLIC CONDUIT FOR LOOP DETECTOR SLEEVE.
- T. ABANDON EXISTING VEHICLE LOOP.
- U. USE EXISTING HANDHOLE. SPLICE EXISTING LOOP WIRE TO NEW 2-CONDUCTOR CABLE (ALUMINUM SHIELDED).
- V. REMOVE EXISTING HANDHOLE.
- W. INSTALL 12 IN. X 32 FT. 2-PLY STEEL STRAIN POLE WITH POLE-MOUNTED SIGNS AS SHOWN. (NOTE: ONE 2 IN. 90-DEGREE (SCH. 40) PVC BEND AND ONE 3 IN. WEATHERHEAD) [USE 4 2-1/4 IN. X 96 IN. ANCHOR BOLTS].
- X. EXISTING UNDERGROUND POWER SUPPLY.
- Y. RELOCATED EXISTING UNDERGROUND POWER SUPPLY.

- GENERAL NOTES
- 1. THE CONDUIT TO BE INSTALLED ACROSS THE PROPOSED ROADWAY SHALL BE TRENCHED PRIOR TO PAVEMENT CONSTRUCTION.
 - 2. DETECTORS SHALL BE INSTALLED PRIOR TO FINAL PAVEMENT SURFACE COURSE.
 - 3. THE CONTRACTOR SHALL CONFIRM THE LOCATIONS OF THE PROPOSED GEOMETRICS PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
 - 4. FOR THE LOCATION OF THE 'ARROW' AND 'ONLY' PAVEMENT MARKINGS AND SIGNS, SEE THE TRAFFIC CONTROL PLAN TCP-7.
 - 5. ALL POLE AND CABINET FOUNDATIONS AND HANDHOLES SHALL BE INSTALLED AT FINAL GRADE.

- NOTE: A) EXISTING SIGNAL EQUIPMENT SHOWN IS FROM DESIGN PLANS. ACTUAL LOCATIONS MAY VARY FROM THAT SHOWN. SIGNAL IS TO BE INSTALLED IN THE SUMMER OF 1996.
- B) ALL EXISTING OVERHEAD UTILITIES ARE TO BE RELOCATED PRIOR TO INSTALLATION OF SIGNAL EQUIPMENT FOR THIS CONTRACT.
- C) RELOCATED BGE OR BA POLES WILL HAVE 'REL' NEXT TO THEM.



TEMPORARY SIGNAL PHASE I	DWG. NO. TS-1A
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THE WILSON T. BALLARD CO.
CONSULTING ENGINEERS
OWINGS MILLS, MARYLAND

REVISIONS

APPROVALS

ORIGINAL FILE

AUGUST 1996 - WTB
MODIFY EXISTING SIGNAL
SHA NO. PG9005171

JDM / MHL

MD 450 (ANNAPOLIS ROAD) AT FORBES BLVD.

LOG MILE NO. 16045006.59 DATE 5/20/96

DRAWN BY: S. BLOSS	F.A.P. NO. N/A	PLAN SHEET NO. 345	SHEET NO. 465
CHECK BY: T. HANNAN	S.H.A. NO. N/A	TS-3600A-XI-P	
SCALE: 1"=20'	COUNT: PRINCE GEORGES		

FILE NO. 5392540.DGN
09-30-96 FIB/TEJ/LJS